A CLASS		гы	/JS2004/020705			
ÎPC 7	SIFICATION OF SUBJECT MATTER C07D271/10 C07D235/10 C08G7	5/20				
	to International Patent Classification (IPC) or to both national class	ssification and IPC				
	SEARCHED					
IPC 7	tocumentation searched (classification system followed by classi CO7D CO8G	fication symbols)				
Documenta	ation searched other than minimum documentation to the extent t	hat such documents are included in	the fields searched			
Electronic d EPO-In	data base consulted during the International search (name of data nternal, WPI Data, PAJ, CHEM ABS D	a base and, where practical, search ata	n terms used)			
C. DOCUM	IENTS CONSIDERED TO BE RELEVANT					
Category °		e relevant passanes	5-1			
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- · · · · · · · · · · · · · · · · · · ·	Relevant to claim No.			
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4	WO 96/39379 A (BALLARD POWER S' LOUSENBERG ROBERT D (CA); STON (CA);) 12 December 1996 (1996- the whole document	1-30, 38-95				
Funi	her documents are listed in the continuation of box C.	χ Patent family members	S are listed in annov			
Special ca	ategories of cited documents:					
A' docume consid E' earlier d	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the International	invention	conflict with the application but inclpie or theory underlying the			
L' docume which citation O' docume other r	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	"Y" document of particular releving cannot be considered to in document is combined with	et or cannot be considered to when the document is taken alone wance; the claimed invention avolve an inventive step when the			
MAIOT III	ent published prior to the International filing date but han the priority date claimed actual completion of the international search	in the art.  *&* document member of the sa	peing obvious to a person skilled ame patent family			
	2 January 2005		Date of mailing of the international search report  2. 1. 04. 2005			
	mailing address of the ISA  European Patent Office, P.B. 5818 Patentians 2	Authorized officer	- GUUY			
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fritz, M				

## INTERNATIONAL SEARCH REPORT

PCT/US2004/020705

Box II O	hservations where certain claims were found uncount to be to
	bservations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Interna	ational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claude be	alms Nos.: cause they relate to subject matter not required to be searched by this Authority, namely:
be an	alms Nos.:  cause they relate to parts of the International Application that do not comply with the prescribed requirements to such extent that no meaningful international Search can be carried out, specifically:  ee FURTHER INFORMATION sheet PCT/ISA/210
be	aims Nos.: cause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Ot	oservations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Interna	tional Searching Authority found multiple inventions in this international application, as follows:
Se	ee additional sheet
1. As sea	all required additional search fees were timely paid by the applicant, this International Search Report covers all archable claims.
2. As	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
3. As	only some of the required additional search fees were timely paid by the applicant, this International Search Report ers only those claims for which fees were paid, specifically claims Nos.:
4. X No res	required additional search fees were timely paid by the applicant. Consequently, this international Search Report is tricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on I	Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-30,38-95

Compounds (I), (II) and uses thereof

2. claims: 31-37

Process for the preparation of compounds of formula SF-SO2-R8-X

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.:

Present claims 1-30 and 38-95 relate to an extremely large number of possible products. Support within the meaning of Article 6 PCT and disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the products. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to

the compounds I and II in which R1, R2, R3, R4, R5, R6 are difluoromethylene (-CF2-) moieties

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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### BUERNATIONAL SEARCH REPORT

formation on patent family members

PCT/US2004/020705

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